BARBALAT, Ioan; VAIDA, Dragos.

The boundary case of the Wittmeyer criterion for the Gauss-Seidel method. Bull math Rum 4 no.3/4:3-18'60.

VAIDA, Dragos

A characterization of distributive lattices. Comunicarile AR 11 no.7: 797-800 '61.

1. Comunicare prezentata de Al. Ghika, membru corespondent al Academiei R.P.R.

VAIDA, Dragos

Solving some transportation problems with the electronic computer CIFA-2. Communicarile AR 11 no.10:1147-1149 O '61.

1. Comunicare prezentata de academician Gr. C. Moisil.

VAIDA, Dragos

An electronic digital computer application in the economy field.
Automatica electronica 6 no.3:118-120 My-Je '62.

VAIDA, Dragos (Bucuresti)

Nilpotent left isolated ideals and isolated radicals. Bull math. Rum 6 no.3/4:257-260 '62 [publ. '64].

1. Submitted October 24, 1963.

S/044/62/000/012/040/049
A060/A000

16.9500

AUTHOR: Vaida, Drakos

TITLE: Recurrence relations for multi clock-pulse operation of certain electronic networks

PERIODICAL: Referativnyy zhurnal, Matematika, no. 12, 1962, 46, abstract 12V249 (Comun. Acad. RPR, 1962, v. 12, no. 2, 189 - 194, Rumanian; summaries in Russian, French)

TEXT: An arbitrary operation program of a relay network is investigated, satisfying the principle of determinism, realizable by an electronic circuit of a certain special type only for an appropriate choice of commands. An example of a state sequence is cited which may not be realized by an electronic flip-flop. The circuit of an electronic flip-flop and the circuit of a memory element with a delay line are also studied. The following theorem is proven: T h e o r e m : Any program satisfying the principle of determinism may be realized by a memory circuit with a delay line. Recurrence relations are determined which describe the operation of each of the networks considered.

V. M. Ostianu

[Abstracter's note: Complete translation]

Card 1/1

VAIDA, Dragos, asist. univ. (Bucuresti)

An application of numerical electronic calculators. Gaz mat fiz 14 no.5:231-236 My '62.

CAVADIA, I.; MEILTZ, G.; MOLDOVAN, N.; VAIDA, D.; ZAMFIRESCU, I.

Programming with the aid of calculation logical schemes.
Gaz mat fiz 14 no.7:337-350 Jl '62.

1. Institutul de Fizica Atomica.

VAIDA, D.

A problem of G. Birkhoff. Doklady BAN 15 no.8:801-803 '62.

1. Centre de calcul, Institut de physique atomique, Bucarest. Note presentee N. Obrechkoff [Obreshkov, N.], membre de l'Academie.

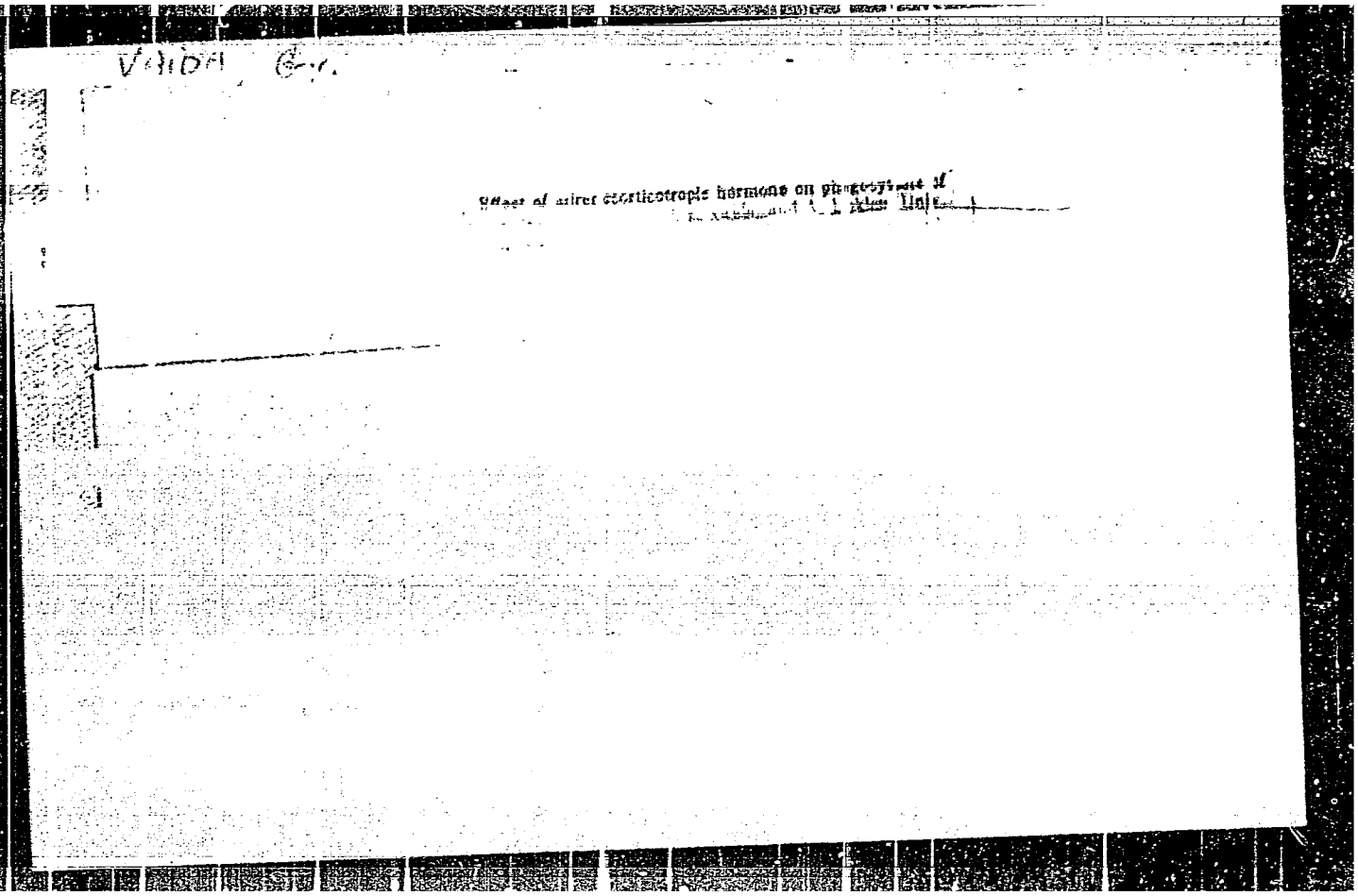
VALDA, Dragos

Ordered groups whose elements admit a generalized Jordan decomposition. Rev math Roum 9 no.10:929-948 '64.

1. Institute of Atomic Physics of the Rumanian Academy, Bucharest, P.O. Box 35.

VAIDA, Dragos

Introduction to the study of the electronic computer structure.
Gaz mat fiz 70 no.4:121-123 Ap '65.



VAIDA, G.

2

80. Influence of the material properties of electrodes upon the breakdown potential. (In English) G. V. Vaida. *Acta Technica Academiae Scientiarum Hungaricae*, Vol. 21—1958, No. 1—2, pp. 141—171, 13 figs.

The electric breakdown potential depends on a number of factors. Investigations were conducted to determine to what extent the material of the electrode exercises an influence. The conditions for the breakdown of insulators in various states of matter are deduced from an equation expressing the instability of the elementary processes taking place in the insulator and the extent to which the elementary processes taking place on the electrodes influence the breakdown is examined. According to these investigations electrostatic emission is the most effective, but in gases photoelectric emission and secondary emission due to positive ions can also play their part. According to the results of the experiments and in agreement with the theoretical assumptions it was found that the material of the electrode had no influence in solid insulators or in gases under atmospheric conditions. In the latter case the quality of the surface has a slight effect therefore it is best to use a surface smoothness of $h_g = 1.6 - 0.8\,\mu$. In liquids the influence of the material is obscured by other effects. The effect of the material of the electrodes is considerable in gases at low and high pressures when the breakdown potential increases in the sequence aluminium, copper, stainless steel.

JW
1/1

GONTEA, I.,; SUTESCU, P.,; VINTILA., P.,; VAIDA, I.

Study of the trophophylactic effect of food in experimental chronic lead poisoning. II. Role of vitamins. Bul stiint., sect. med. 7 no.4:1339-1349 Oct-Dec 55.

1. Sectia de fiziologie a Centrului de igiena muncii, Institutul de igiena, Bucuresti. 2. Ardelean membru corespondent al academiei R.P.R.

(LEAD POISONING, experimental
protective eff. of food & vitamins, in rats)
(VITAMINS, effects
on resist. to exper. lead pois., in rats)
(DIETS, effects
on resist. to exper. lead pois. in rats)

BERDAN, C.; GAVRILESCU, N.; VAIDA, I.

A study of oxygen consumption during effort at various temperatures and air current velocities. Rumanian M Rev. no.1:95-96 Ja-Mr '61.

1. The Chair of Labour Hygiene and Occupational Diseases of the Medico-pharmaceutical Institute, Bucharest.
(OXYGEN metabolism) (EXERTION physiology)
(TEMPERATURE)

RUMANIA

GAVRILESCU, N., Conf; PAPACOTE, Maria, Dr; VAIDA, Iulia, Dr;
MIHAILA, I., Dr; LUCHIAN, C., Chem; RU.U, I., Dr.

Institute of Hygiene and Protection of Labor and State Inspection for Hygiene and Protection of Labor, Tirgoviste (Institutul de igiena si protectia muncii si Inspectia de Stat pentru igiena si protectia muncii, Tirgoviste) - (for all)

Bucharest, Igiena, No 5, 1963, pp 407-418

"Microclimatic Factors and Stress of the Thermoregulatory Function in Workers in a Thermo-electric Power Plant"

(6)

VAIDA, L. [Vajda, Laszlo] (Budapeshta)

Mosses of Bulgaria. Izv Inst bot BAN 7:317-319 '60.

RUMANIA / Farm Animals. Domestic Fowls

Abs Jour: Ref Zhur-Biol., No 3, 1958, 12194

Author : Vaida M.
Inst :
Title : Our Experience in Rearing Chickens on a Thick and Permanent Litter (Iz nashego opyta vyrashchivaniya tsyplyat na glubokoy i postoyannoy podstilke)

Q-6

Orig Pub: Probl. zootehn., 1957, No 3, 58-61

Abstract: No abstract.

Card 1/1

VAIDEANU, A.

Technical and Scientific Session at the "Grivita rosie" Plant.
Constr mas 16 no.11:646 N '64.

L 61576-65

ACCESSION NR: AP5023129 RU/0012/64/000/004/0605/0610 22 B

AUTHOR: Mares, E. (Major General, Physician); Giurgiu, T. (Doctor of medical sciences, Major, Veterinary physician); Suteu, I. (Colonel, Physician); Vaideanu, C. (Lieutenant Colonel, Physician); Cancinschi, A. (Major, Physician)

TITLE: Use of large volumes of lyophilized homotransplants in corrective surgery of long bones

SOURCE: Revista sanitara militara, no. 4, 1964, 605-610

TOPIC TAGS: tissue transplant, plastic surgery

ABSTRACT: Report of homotransplantation of large-size lyophilized cadaver-bones: distal part of femur to 25-year-old woman with osteolytic tumor, and distal part of radius to 38-year-old man following severe accident. The first case was complicated by infectious sequelae but the second went well throughout, with gradual formation of callus and eventual anatomic and functional integration. Photograph of surgical specimen, 14 roentgenograms. Orig. art. has: 11 figures.

Card 1/2

L [illegible]

ACCESSION NR: AP5023129

ASSOCIATION: none

SUBMITTED: 00	ENCL: 00	SUB CODE: LS
NR REF SOV: 000	OTHER: 000	JPRS

Card 2/2

L 64576-65 RU/0012/64/000/004/0605/0610 22 B

ACCESSION NR: AP5023129

AUTHOR: Paras, E. (Major General, Physician); Ciurgiu, T. (Doctor of medical sciences, Major, Veterinary Physician); Sulea, I. (Colonel, Physician); Vaideanu, C. (Lieutenant Colonel, Physician); Ciulavu, A. (Major, Physician)

TITLE: Use of large volumes of lyophilized homotransplants in corrective surgery of long bones

SOURCE: Revista sanitara militara, no. 4, 1964, 605-610

TOPIC TAGS: tissue transplant, plastic surgery

ABSTRACT: Report of homotransplantation of large-size lyophilized cadaver-bones: distal part of femur to 25-year-old woman with osteolytic tumor, and distal part of radius to 38-year-old man following severe accident. The first case was complicated by infectious sequelae but the second went well throughout, with gradual formation of callus and eventual anatomic and functional integration. Photograph of surgical specimen, 14 roentgenograms. Orig. art. has: 15 figures.

Card 1/2

L 04570-65

ACCESSION NR: AP5023129

ASSOCIATION: none

SUBMITTED: 00	ENCL: 00	SUB CODE: LS
NR REF SOV: 000	OTHER: 000	JPRS

Card 2/2

L 33712-66

ACC NR: AP6025148 SOURCE CODE: RU/0012/65/061/004/0523/0534

AUTHOR: Mares, E. (Doctor; Lieutenant general; Doctor of medical sciences); Suteu, I. (Doctor; Colonel); Dancioloiu, Al. (Doctor; Major); Vaideanu, C. (Doctor; Lieutenant colonel); Gheorghe, Ioan (Doctor; Major); Mancas, O. (Doctor; Major)

28
B

ORG: none

22

TITLE: Our experience in the treatment of varicose ailments of the polvis

SOURCE: Revista sanitara militara, v. 61, no. 4, 1965, 523-534

TOPIC TAGS: disease therapeutics, disease incidence, circulatory system disease

ABSTRACT: A report on the authors' experience during 1952 to 1965 with 576 patients suffering from various clinical forms of varicose afflictions of the polvis. The different forms of therapeutic approach used are discussed, the effectiveness of the different methods for the separate classes of ailments is compared, and some general conclusions with regard to the incidence and treatment of varicose ailments are presented. [JPRS: 33,500]

SUB CODE: 06 / SUBM DATE: 30Apr65 / ORIG REF: 008 / SOV REF: 003
OTH REF: 005

Card 1/1 PB

0916 0497

Organ and Tissue Transplantation

RUMANIA

MARES, E., Lieutenant-General, Medical Corps, Dr. and Docent in Medical Sciences, Physician Emeritus (General-locotenent medic, doctor docent in stiinte medicale, medic emerit); SUTEU, I., Colonel, Medical Corps; GIURGIU, T., Lieutenant-Colonel, Medical Corps; VAIDEANU, C., Lieutenant-Colonel, Medical Corps; and DANCIULOIU, Al., Major, Medical Corps.

"Value of Massive Homotransplants of Lyophilized Bone in Orthopedic Surgery"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 198-205

Abstract: Procedure for lyophilization of cadaver bones; choosing young men who died in accidents, with blood groups compatible with eventual recipients; several case reports of author attest to value of such transplants, as in cases of bone tumors. 9 convincing roentgenograms.

1/1

RUMANIA

MARES, E., Lieutenant-General, Medical Corps, Dr. and Docent in Medical Sciences, Physician Emeritus (General-locotenent medic, doctor docent in stiinte medicale, medic emerit); SUTEU, I., Colonel, Medical Corps; STRIMBEANU, I., Colonel, Medical Corps; VAIDEANU, C., Colonel, Medical Corps; GIURGIU, T., Lieutenant-Colonel, Medical Corps; and DANCIULOIU, Al., Major, Medical Corps.

"Effect of Different Procedures of Joining on the Consolidation of Osseous Homotransplants"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 206-215

Abstract: Experimental study on dogs with various types of operative fixation of the lyophilized bone heterotransplant. Radiographic and histologic data yielded some rather definite principals of operative procedure for optimal result, which are described; consisting primarily of need for relatively large surface of host bone left, good molding, no metallic nail fixation. 8 roentgenograms.

1/1

RUMANIA

SUTEU, I., Colonel, Medical Corps; VAIDEANU, C., Lieutenant-Colonel, Medical Corps; CONSTANTINESCU, V., Captain, Medical Corps; DANCIULCIU, Al., Major, Medical Corps; IOAN, Gh., Major, Medical Corps; DIMITRIU, R., Major, Medical Corps; and MANCAS, O., Major, Medical Corps.

"Indications and Value of Considerations in Ligation of a Voluminous Hemangioma of the Left Side of the Liver, Operated by Subtotal Left Hepetactomy"

Bucharest, Revista Sanitara Militara, Vol 62, No. 3, May-June 1966; pp 455-465

Abstract: Very detailed anatomical discussion of liver lobules and regional vasculature, leading to description of surgery in 39 year old soldier with liver tumor, a large cavernous hemangioma with satisfactory results and uneventful recovery. 3 anatomical diagrams, 4 photographs of operative stages, 1 photograph of surgical specimen, 1 photomicrogram, 1 liver scintigram with rose bengal. 10 Western, 16 Rumanian references. Manuscript received 10 February 1966.

1/1

LAVROVS, Marats; VAIDERS, Leo; KRILOVA, N., red.; LEMBERGA, A., tekhn. red.

[Viruses] Virusi. Riga, Latvijas PSR Zinatnu akademijas izdevniecība, 1961. 72 p. (MIRA 15:3)

(VIRUSES)

VAIDERS, L.

Conference on Current Problems in the Therapy and Prophylaxis of Cattle Diseases. Izv. AN Latv. SSR no.5:135-136 '62. (MIRA 16:7)
(Cattle--Diseases and pests)

VAIDERS, L.

Cultivation of tissue cells of some laboratory animals in vitro. Vestis Latv ak no.6:91-96 '62.

1. Latvijas PSR Zinatmu akademijas Mikrobiologijas instituts.

VAIDOV, V.M.; KONOVALOV, I.M.

The tectonically isolated position of Talysh. Dokl. AN Azerb. SSR 14 no.3:213-217 '58. (MIRA 11:4)

1. Institut geografii AN AzerSSR. Predstavleno akademikom AN AzerSSR M.-A. Kashkayem.
(Talysh Mountains--Geology, Structural)

KONOVALOV, I.M.; VAIDOV, V.M.

Features of variation in the total mineralization of water and in the ion composition in the direction of flow of underground water. Dokl. AN Azerb.SSR 16 no.7:669-674 '60. (MIRA 13:9)

1. Institut pochvovedeniya i agrokhimii AN AzerSSR. Predstavleno akad. AN AzerSSR V.R. Volobuyevym.
(Lenkoran Lowland--Water, Underground)

AMIRDZHANOV, K.A.; VAIDOVA, M.G.

Effectiveness of using short-ultraviolet rays in the treatment of scarlet fever. Azerb. med. zhur. 42 no.3:54-59 Mr '65. (MIRA 18:6)

VAIDOVA, S. M.

32751. Koktsidiy serykh kryv (rattus norvegicus B.) Iz baku i okrestnykh poseleniy, izvestiya akad. Nauk azerbaydzh. ssr, 1949, No. 9, s. 48-51--rezyume na azerbaydzh. yaz.--bibliogr: 12 nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 44, Moskva, 1949

VAIDOVA, S.M.; FEYZULLAYEV, N.A.

Clinostomum kassimovi nov. sp., a new trematode from the digestive tract of the blue-gray heron (Ardea cinerea L.) in Azerbaijan [in Azerbaijani with summary in Russian]. Dokl. AN Azerb. SSR 14:805-807 '58. (MIRA 11:11)

1. Institut zoologii AN Azerb. SSR.
(Lenkoran Lowland--Trematoda) (Parasites--Herons)

VAIDOVA, S.M.

Materials on the study of Balantidium coli Mal., Balantidium suis Mac.Don. and balantidiasis in Azerbaijan. Trudy Inst.zool.AN Azerb.SSR 20:70-106 '59. (MIRA 12:10)
(Azerbaijan--Balantidium coli)

VAIDOVA, S.M.; FEYZULLAYEV, N.A.

First detection of a linguatiloid nymph in birds. Dokl. AN Azerb. SSR 5 no.5:423-424 '59. (MIRA 12:8)

1. Institut zoologii Akademii nauk AzerSSR.
(Parasites--Birds) (Linguatulida)

KASIMOV, G.B.; VAIDOVA, S.M.; FEYZULLAYEV, N.A.

New trematode (Echinostoma azerbaidjanica no.sp.) from the intestine of the migratory quail (Coturnix coturnix L.) in Azerbaijan. Dokl. AN Azerb. SSR 15 no.10:963-966 '59. (MIRA 13:3)

1. Institut zoologii AN AzerSSR.
(Parasites--Quail) (Azerbaijan--Trematoda)

KASIMOV, G.B.; VAIDOVA, S.M.; FEYZULLAYEV, N.V.

New trematode species Concinnum talischensis nov.sp. (Dicrocoeliidae) from the liver of the marsh harrier (Circus aeruginosus L.) in Azerbaijan. Dokl.AN Azerb.SSR 15 no.11: 1057-1059 '59. (MIRA 13:4)

1. Institut zoologii AN AzerSSR.
(Parasites--Harriers) (Liver fluke)

KASIMOV, G.S.; VAIDOVA, S.M.; FEYZULLAYEV, N.A.

Trematodes of birds in the Lenkoran zone, Mugan and Mili Steppes of Azerbaijan. Trudy Inst. zool. AN Azerb. SSR 22:73-102 '62.
(MIRA 15:11)

(Azerbaijan--Trematoda)
(Azerbaijan--Parasites--Birds)

VAIDOVA, S.M.

Fauna and ecology of Acanthocephala of birds in Azerbaijan (the Lenkoran zone and the Mugan Steppe). Izv. AN Azerb. SSR. Ser. biol. nauk no.2:29-35 '64.

(MIRA 17:10)

VAIDOVA, S.M.

Helminth fauna of piscivorous birds in the bodies of water of the Kura-Aras Lowland of Azerbaijan. Trudy Inst. zool. AN Azerb. SSR 24:99-108 '65. (MIRA 18:5)

VAIDOVA, S.M.

Fauna and distribution of nematodes in birds of the Lenkoran group of districts and the Mugan Steppe in Azerbaijan. Izv. AN Azerb. SSR. Ser. biol. nauk no.6:23-32 '64.
(MIRA 18:6)

VAIGAND, V.

YUGOSLAVIA/Analytical Chemistry. Analysis of Inorganic Substances. E-2

Abs Jour: Ref. Zhur.-Khimiya, 1958, No II, 35911.

Author : V. Vaigand
Inst : Not given.
Title : Potentiometric Titration of Molybdate by a Silver Nitrate Solution.

Orig Pub: Glasnik Zem. drushtva, 1957, 22, No I, 51-54.

Abstract: This a study of a possibility of potentiometric titration of MoO_4^{2-} by $AgNO_3$ solution at pH 5-10 in an aqueous alcohol medium (mixtures of H_2O - C_2H_5OH in ratios from I:I to I:2 were used as solvents). It is established that the titration is possible only at pH = 7-8,5. The presence of NH_3 or ammonium salts forming a complex ($Ag(NH_3)_2$) hinders titration; when MoO_2^{2-} in solutions $(NH_4)_2MoO_4$ is determined,

Card : 1/2

YUGOSLAVIA/Analytical Chemistry. Analysis of Inorganic Substances. E-2

Abs Jour: Ref. Zhur.-Khimiya, 1958, No II, 35911.

the latter is previously transformed into Na_2MoO_4 by addition of NaOH. The presence of I g Na_2SO_4, K_2SO_4, $NaNO_3$ and CH_3COONa in 40 ml of $\sim$0.05 of the titrated substance do not hinder the reaction. The error constitutes $\pm$ 1.4% at the titration of 100 ml of 0.0025 M Na_2MoO_4 in 50% C_2H_5OH by 0.1 n $AgNO_3$ solution.

Card: 2/2

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VAIGHEL, V.

EXCERPTA MEDICA Sec.12 Vol.12/4 Ophthalmology April 58

623. CLINICAL AND THERAPEUTIC CONSIDERATIONS ON TWO HUNDRED CASES OF CONGENITAL IMPERFORATION OF THE LACRIMO-NASAL DUCT - Consideraţii clinice si terapeutice asupra a 200 de cazure de imperforare congenitală a conductului lacrimo-nazal - Vaighel V. - OFTALMOLOGIA (Bucureşti) 1957, 2/2 (151-156) Tables 1 illus. 4

In newborns and in young children dacryocystitis is due to imperforation of the punctae lacrimalia, of the naso-lacrimal ducts and to atresia of the canal. In newborns, the lower end is rarely permeable, its opening being retarded. Obstruction of the lacrimal ducts is produced by degenerated elements. The obstruction may be due to delay in separation of the cells of the epithelial cord, to folds in the mucosa, to abnormal cartilage. The impermeability prepares the soil for an infection originating in the conjunctiva. Imperforation of the canal was observed in several members of the same family. A study was made in 200 children between 5 days and 5 yr. of age. Of these, 61% were boys and 39% girls. In 191, treatment consisted in catheterization; in 6 dacryocystotomy was performed and in 3 a prophylactic treatment was carried out, which consisted in instillations and nasal treatment: epinephrine, gomenol. It is considered advisable to replace the name dacryocystitis by imperforation of the naso-lacrimal duct. References 21.

Puscariu - Bucharest

VAIGLA, A.

AGRICULTURE

Periodical: SOTSIALSTLIK POLLUMAJANDUS Vol. 14, no. 1, Jan. 1959

VAIGLA, A. The restoration of old parks. p. 24.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 5, May 1959, Unclass.

VAIGLA, A.

AGRICULTURE

Periodical: SOTSIALSTLIK POLLUMAJANDUS Vol. 14, no. 3, Feb. 1959

VAIGLA, A. Lesser-grown and used vegetables and how to grow them in home gardens. p. 120.

Monthly List of East European Accessions (EEAL) LC, Vol. 8, No. 5, May 1959, Unclass.

VAIGLA, A.

Experiences in growing lilacs. p.559

SOTSIALISTLIK POLLUMAJANDUS. Tallinn, Estonia. Vol. 14, no. 12, June 1959

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959
Uncl.

ZIUGZDA, A., doc. med. m. dr.; VAIKSNYTE, A.

A differential reaction for rheumatism. Sveik. apsaug. no.7:3-7 '62.

1. Kauno Valstybinis medicinos institutas.
(RHEUMATISM)

VAIL, L. V

POLUBOYARINOVA, V. I.;VAIL, L. V.

Clinical aspect of paratyphoid breslau in infants, preliminary communication. Vopr. pediat. 19 no. 5:16-20 1951.
(CIML 21:3)

1. Of the Department of Children's Infectious Diseases (Head -- Prof. M. G. Danilevich), Leningrad Pediatric Medical Institute (Director -- Prof. N. T. Shutova).

VAIL', S.S.; SARKISOV, D.S.

Morphology of the stomach in radiation sickness. Arkh.pat. 21 no.8:17-25 '59. (MIRA 13:12)
(STOMACH) (RADIATION SICKNESS)

VAIL', S.S.

Changes in the heart in deep hypothermia. Arkh.pat. 21 no.11: 15-24 '59. (MIRA 13:12)
(HEART) (HYPOTHERMIA)

VAIL', S.S. (Leningrad)

Compensatory changes in the heart in cardiosclerosis. Terap. arkh. 32 no.8:65-71 Ag '60. (MIRA 13:11)
(HEART—DISEASES)

VAIL', S.S.

Result of histopathological studies on diffuse myofibrosis of the heart in hypertension. Klin.med. 38 no.8:93-99 Ag '60. (MIRA 13:11)

(HYPERTENSION) (HEART—DISEASES)

VAIL', Solomon Samuilovich; SIL'VESTROV, V.P., red.; CHUNAYEVA, Z.V., tekhn. red.

[Errors of clinical diagnosis; some of the most important internal diseases]Oshibki klinicheskoi diagnostiki; nekotorye vazhneishie vnutrennie bolezni. Leningrad, Medgiz, 1961. 202 p. (MIRA 15:10)

(DIAGNOSIS) (MEDICINE, INTERNAL)

VAIL', S.S. (Leningrad)

Chronic colitis as a nosological form. Klin.med. no.7:6-11 '61. (MIRA 14:8)

(COLITIS)

VAIL', S.S.

Diffuse dystrophic changes in the myocardium and their role in a disorder of cardiac activity. Klin.med. 40 no.5:19-23 '62. (MIRA 15:8)

(HEART--MUSCLE)

PALKIN, A.P., prof.; VAIL', Ye.I., otv. red.; BAZILYANSKAYA, I.L., red.; TROFIMENKO, A.S., tekhn. red.

[Correlation and development of ternary and quaternary reciprocal systems in the fused state] Vzaimosviaz' i razvitie troinykh i chetvernykh vzaimnykh sistem v rasplavlennom sostoianii. Khar'kov, Izd-vo Khar'kovskogo gos. univ. im. A.M.Gor'kogo, 1961. 337 p. (MIRA 14:9)

(Systems (Chemistry)) (Salts)

L 22138-66 EWT(d)/FBD/EWT(1)/EEC(k)-2/T/EWP(k)/EWA(h) IJP(c) WG

ACC NR: AP6012935 SOURCE CODE: UR/0115/65/000/005/0037/0041

AUTHOR: Valitov, R. A.; Kalinin, Yu. A.; Kuz'michev, V. M.

ORG: none

TITLE: Measurement of energy and power of optic quantum lasers

SOURCE: Izmeritel'naya tekhnika, no. 5, 1965, 37-41

TOPIC TAGS: laser, ruby laser, calorimeter, elastic oscillation, gaseous state laser, photoelectric effect, thermal effect

ABSTRACT: A survey of presently known methods of measuring the electrical characteristics of lasers. Types of measuring devices must vary for measurement of the various types of laser outputs which vary from low power, continuous operating He-Ne gas lasers to very high power, very short pulse duration ruby lasers. The effects used in measurement are the thermal, pondermotive and photoelectric effects. A typical calorimeter for power measurement is described, its operation and principle sources of error (errors in calibration of dc or condensor energy, transparency of calorimeter sections, degree of "blackness" of black body, readout, and energy loss compensation) are discussed. A drawing of a pondermotor power measuring device is presented and its

UDC: 621.375.9

Card 1/2

L 22138-66

ACC NR: AP6012935

operation briefly outlined. Main sources of error listed are: error in measurement of specific moment of rotation of thread and of inertia of mobile system; inaccurate beam aiming; readout error; radiometric effects; inaccurate determination of angle of fall on reflecting surface and of reflecting capacity of the surface. The formation of elastic oscillations and other effects are also noted as having been suggested as bases for measurement of laser power. Orig. art. has: 2 figures. [JPRS]

SUB CODE: 20 / SUBM DATE: none / ORIG REF: 016 / OTH REF: 020

Card 2/2 BK

L 21670-66 EWA(h)/EWT(1)
ACC NR: AP6003566 SOURCE CODE: UR/0109/66/011/001/0158/0161

AUTHOR: Tsarenko, V. T.; Valitov, R. A.

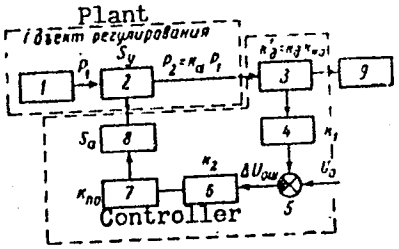
ORG: none

TITLE: Calculation of SHF-power stabilizers

SOURCE: Radiotekhnika i elektronika, v. 11, no. 1, 1966, 158-161

TOPIC TAGS: SHF attenuator, SHF power stabilizer

ABSTRACT: A method of calculation is suggested for a broadband SHF-power stabilizer based on an electrically-controlled semiconductor attenuator. The SHF-generator-stabilizer-load system is treated as an automatic controller and a plant, and the equations describing both are set up.



Essentially, the system (see figure) comprises the following parts: 1 - SHF oscillator; 2 - controllable attenuator; 3 - directional coupler and crystal detector; 4 - first amplifier; 5 - comparison circuit; 6 - second amplifier; 7 - pulse detector; 8 - single-stage d-c amplifier; 9 - load. A graphoanalytical

UDC: 621.316.722.029.64.001.24

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procedure for calculating the stabilizer parameters is given. An experimental verification of the procedure showed a difference between the theoretical and experimental stabilization characteristics of 0.06 db. Orig. art. has: 2 figures, 14 formulas, and 1 table.

SUB CODE: 09 / SUBM DATE: 25Jan65 / ORIG REF: 003

Card 2/2

ARKHANGEL'SKIY, V.A. (Moskva); AUZBAYEV, D. (Bugul'ma); BASHKIROV, A.I. (Bugul'ma); VAILI'YEV, Yu.N. (Bugul'ma); MAKSUTOV, R.A. (Bugul'ma)

Investigating gas-oil mixture flow in gushers. Inzh.zhur. 2 no.1:55-68 '62. (MIRA 15:3)

1. Institut mekhaniki AN SSSR i Tatarskiy nauchno-issledovatel'skiy institut.

(Oil reservoir engineering)

L 23041-66 FSS-2/EWT(1)/EWP(m)/EWT(m)/EPF(n)-2/EWA(d)/T-2/EWP(t)/EWP(k)/EWA(h)/
ACC NR: AP6011426 EWA(1) IJP(c) SOURCE CODE: UR/0020/66/167/004/0778/0781
JD/WW/JW/HW/JG

AUTHOR: Abramova, K. B.; Valitskiy, V. P.; Vandakurov, Yu. V.; Zlatin, N. A.; Peregud, B. P.

ORG: Physicotechnical Institute im. A. F. Ioffe, Academy of Sciences SSSR (Fiziko-tekhnicheskiy institut Akademii nauk SSSR)

TITLE: Magnetohydrodynamic instabilities in an electrical explosion

SOURCE: AN SSSR. Doklady, v. 167, no. 4, 1966, 778-781

TOPIC TAGS: exploding wire, electrical explosion

ABSTRACT: The disintegration mechanism of an electrically exploded conductor was investigated experimentally by the method of pulse x-raying. The arrangement made it possible to obtain four exposures of 0.1 to 0.2 μsec during each experiment at selected instants from the beginning of current flow through the wire. Copper, tungsten, molybdenum, and lead wires and a thread of liquid lead were investigated. The experiments were prompted by the results of an earlier investigation by one of the co-authors (Abramova) showing that the threshold energy for explosion remains below that of evaporation, exceeding only the level required for melting. The data from the experiments show that two types of instabilities develop in the conductor which deform it and lead to its breakup into numerous parts. During the pre-threshold period, a helical instability was observed, which was followed by a constrictive instability accompanying the actual explosion. Both types of instabilities

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ACC NR: AP6011426

are apparently of magnetohydrodynamic origin. An analysis of the conditions of stability of a fluid cylinder in the magnetic field of the current flowing in it established the dependence of a dimensionless increment $\Omega = i\omega r_0\sqrt{4\pi\rho}$ on the factor $x = kr_0$ (r_0 is the radius of the cylinder, ρ is the density, and $k = 2\pi/\lambda$, λ being the wavelength of the disturbance) for two values of an integral factor m describing the mode of disturbance: m = 0 corresponding to the constrictive, and m = 1, to the helical, instability. However, the experimental values of corresponding wavelengths exceed the calculated values by approximately 2 to 3 times in the case of constrictive instability, and 70 times in the case of helical instability. The difference can be explained by the onset of helical instabilities before the fusion of the wire begins, and by the fact that the energy spent on it is much lower than that necessary for constrictive effects. Special experiments, where the input energy remained below the melting level, bent the specimens. The constrictive instability can develop, apparently, only above the melting point of the specimen. This was also confirmed by the experiments with liquid thread, where constrictive instabilities developed at a relatively low level of input energy. The mechanism of constrictive instability is attributed to the concentration of heat in the nodes of constriction, which leads to a localized evaporation of metal. Since only a small proportion of the metal is evaporated, the threshold energy may remain below the vaporization level, as was actually observed. A complete evaporation of all metal, however, may not occur even when the input energy exceeds the vaporization level. In this case, the helical instability may not have enough time to develop before fusion and evaporation set in. It is concluded that the occurrence of the "current pause" is the result of constrictive magnetohydrodynamic instability. The time constants of the instability

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increment were 0.2 μsec for copper wire and 0.1 μsec for lead wire. The experiments with molybdenum and tungsten wires showed definitely that the destruction is due solely to m = 0 (i.e., constrictive) instabilities. The current, however, after reaching the maximum, drops to 1/2 to 1/3 of its peak value, and after a while rises to a second maximum. Since instability develops after the first peak value of the oscillatory discharge, the conductivity drop at the end of the first pulse cannot be explained by the onset of instability. Orig. art. has: 3 figures. [FP]

SUB CODE: 20/ SUBM DATE: 19May65/ ORIG REF: 003/ OTH REF: 004/ ATD PRESS: 4234

Card 3/3

NAZAREVSKIY, S.I.; MAKAROV, S.N.; PILIPENKO, F.S.; GERASIMOV, M.V.; IL'INSKAYA, M.L.; VEKSLER, A.I.,[deceased]; VASIL'YEV, I.M.; IL'INA, N.V.; SOKOLOV, S.Ya.; LOZINA-LOZINSKAYA, A.S.; SAAKOV, S.G.; ZALESSKIY, D.M.; AVRORIN, N.A.; IVANOV, M.I.; PRIKLADOV, N.V.; SOBOLEVSKAYA, K.A.; SALAMATOV, M.N.; MALINOVSKIY, P.I.; LUCHNIK, A.I.; KRAVCHENKO, O.A.; VEKHOV, N.K.; GROZDOV, B.V.; MASHKIN, S.; BOSSE, G.G.; PALIN, P.S.,(g. Shuya, Ivanovskoy oblasti); MATUKHIN; ZATVARNITSKIY, G.F.; GRACHEV, N.G.; CHERKASOV, M.I.; KIRKOPULO, Ye.N.; LEVITSKAYA,A.M.; GRISHKO, N.N.; LIKHVAR', D.F. VIL'CHINSKIY, N.M.; LYPA, A.L.; OREKHOV, M.V.; SHCHERBINA, A.A.; TSYGANKOVA, V.Z.; BARANOVSKIY, A.L.; GEORGIYEVSKIY, S.D.; STEPUNIN, G.A. OZOLIN, E.P.; LUKAYTENE, M.K.; KOS, Yu.I.; VAIL'YEV, A.V.; RUKHADZE, P.Ye.; VASHADZE, V.N.; SHANIDZE, V.M.; MANDZHAVIDZE, D.V.; KORKESHKO, A.L.; KOLESNIKOV, A.I.,(g. Sochi); SERGEYEV, L.I.; VOLOSHIN, M.P.; RYBIN, V.A.; IVANOVA, B.I.; RYABOVA, T.I.; GAREYEV, E.Z. ;RUSANOV, F.N.; BOCHANTSEVA, Z.P.; BLINOVSKIY, K.V.; KLYSHEV, L.K.; MUSHEGYAN, A.M.; LEONOV, L.M.

Talks given by participants in the meeting. Biul.Glav.bot.sada no.15: 85-182 '53. (MLRA 9:1)

1. Glavnyy botanicheskiy sad Akademii nauk SSSR (for Makarov,Pilipenko, Gerasimov, Il'inskaya, Veksler); 2. Akademiya komunal'nogo khozyaystva imeni K.D. Pamfilova for Vasil'yev); 3. Vsesoyuznaya sel'skokhozyaystvennaya vystavka (for Il'ina); 4. Botanicheskiy sad Botanicheskogo instituta imeni V.L.Komarova Akademii nauk SSSR (for Sokolov, Lozina-Lozinskaya, Saakov); 5. Botanicheskiy sad Leningradskogo

(continued on next card)

NAZAREVSKIY, S.L.---(continued) Card 2.

gosudarstvennogo ordena Lenina universiteta (for Zalesskiy); 6. Polyarno-Al'piyskiy botanicheskiy sad Kol'skogo filiala imeni S.M. Kirova Akademii nauk SSSR (for Avrorin); 7. Botanicheskiy sak pri Tomskom gosudarstvennom universiteta (for Ivanov); 8. Botanicheskiy sad pri Tomskom gosudarstvennom universiteta imeni V.V. Kuybysheva (for Prikladov); 9. TSentral'nyy Sibirskiy botanicheskiy sad Zapadno-Sibirskogo filiala Akademii nauk SSSR (for Salamatov, Sobolevskaya); 10. Botanicheskiy sad Irkutsko gosudarstvennogo universiteta imeni A.A. Zhdanova (for Malinovskiy); 11. Altayskaya plodovo-yagodnaya opytnaya stantsiya (for Luchnik); 12. Bashkirskiy botanicheskiy sad (for Kravchenko); 13. Lesostepnaya selektsionnaya opytnaya stantsiya dekorativnykh kul'tur trasta Goszelenkhoz Ministerstva kommunal'nogo khozyaystva RSFSR (for Vekhov); 14. Bryanskiy lesokhozyaystvennyy institut (for Grozdov); 15. Botanicheskiy sad pri Voronezhskom gosudarstvennom universitete (for Mashkin); 16. Orekhovo-Zuyevskiy pedagogicheskiy institut (for Bosse); 17. Botanicheskiy sad pri Rostovskom gosudarstvennom universitete imeni V.M. Molotova (for Matukhin); 18. Botanicheskiy sad Kuybyshevskogo gorodckogo otdela narodnogo obrazovaniya (for Zatvarnitskiy); 19. Zoobotanicheskiy sad pri Kazanskom universitete (for Grachev); 20. Gosudarstvennyy respublikanskiy proektnyy institut "Giprokommunstroy" (for Cherkasov); 21. Botanicheskiy sad Odesskogo gosudarstvennogo universiteta imeni I.I. Mechnikova (for Kirkopulo); 22. Botanicheskiy sad pri Dnepropetrovskom gosudarstvennom universitete (for Levitskaya); 23. Botanicheskiy sad

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NAZAREVSKIY, S.L.---(continued) Card 3.

Akademii nauk USSR (for Grishko, Likhvar', Vil'chinskiy); 24. Kiyevskiy sel'skokhozyaystvennyy institut (for Lypa); 25. Botanicheskiy sad Chernovitskogo gosudarstvennogo universiteta (for Orekhov); 26. Botanicheskiy sad pri L'vovskom gosudarstvennom universitete imeni Iv. Franko (for Shcherbina); 27. Botanicheskiy sad Khar'kovskogo gosudarstvennogo universiteta imeni A.M. Gor'kogo (for TSygankova); 28. Botanicheskiy sad Zhitomirskogo sel'skokhozyaystvennogo instituta (for Baranovskiy); 29. Botanicheskiy sad Akademii nauk Belorusskoy SSR (for Georgiyevskiy); 30. Institut biologii Akademii nauk Belorusskoy SSR (for Stepunin); 31. Botanicheskiy sad Akademii Litovskoy SSR (for Lukaytene); 32. Botanicheskiy sad Latviyskogo gosudarstvennogo universiteta (for Ozolin); 33. Kabardinskiy krayevedcheskiy botanicheskiy sad (for Kos); 34. Sukhumskiy botanicheskiy sad Akademii nauk Gruzinskoy SSR (for Vasil'yev, Rukhadze); 35. Batumskiy botanicheskiy sad Akademii nauk Gruzinskoy SSR (for Shanidze); 36. Tbilisskiy botanicheskiy sad Akademii nauk Gruzinskoy SSR (for Mandzhavidze); 37. Sochinskiy park Dendrariy (for Korkeshko); 38. Gosudarstvennyy Nikitskiy botanicheskiy sad imeni V.M. Molotova (for Sergeyev, Voloshin); 39. Krymskiy filial Akademii nauk SSSR (for Rybin); 40. Botanicheskiy sad Moldavskogo filiala Akademii nauk SSSR (for Ivanova); 41. Botanicheskiy sad Botanicheskogo instituta Akademii nauk Tadzhikskoy SSR (for Ryabova); 42. Botanicheskiy sad Kirgizskogo filiala Akademii nauk SSSR (for Gareyev); 43. Botanicheskiy

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NAZAREVSKIY, S.L.---(continued) Card 4.

sad Akademii nauk Usbekskoy SSR (for Rusanov, Bochantseva); 44. Botanicheskiy sad Akademii nauk Turkmenskoy SSR (for Blinovskiy); 45. Respublikanskiy sad Akademii nauk Kazakhskoy SSR (for Klyshev, Mushegyan).

(Botanical gardens)

VAIL'YEV, A.V., vrach (MIRA 11:10)

Fainting. Zdorov'e 4 no.9:31 S '58
(SYNCOPE (PATHOLOGY))

VAIL'YEV, G.A. (Leningrad)

Increase in the resistance of animals to x-irradiation following adaptation to hypoxia at normal barometric pressure [with summary in English]. Biul.eksp.biol. i med 45 no.2:46-49 F '58.(MIRA 11:5)

1. Predstavlena akademikom K.M. Bykovym.
(ANOXIA, experimental,
eff. of adaptation to hypoxia in normal barometric pressure on resist.to x-rays (Rus))
(ROENTGEN RAYS, effects,
resist. in animals adapted to hypoxia in normal barometric pressure (Rus))

STRUKOV, A.I., prof., VAIL'YEVA, N.N., kand.med.nauk

Studies on the pathoanatomy of throbosis and embolism [with summary in English]. Khirurgiia 34 no.10:86-96 0'58 (MIRA 11:11)

1. Iz kafedry patologicheskoy anatomii (zav. prof. A.I. Strukov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.
(THROMBOEMBOLISM, pathol.
pathol. anat. (Rus))

NESMEYANOV, A.N.; VAIL'YEVA, Ye.I.; FREYDLINA, R.Kh.

ω,ω' -iminodicarboxylic acids and some of their derivatives. Izv. AN SSSR Otd. khim. nauk no.7:835-840 Jl '58. (MIRA 11:8)

1.Institut elementoorganicheskikh soyedineniy AN SSSR.
(Acids, Organic)